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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/909,001	08/08/97	VERMEER	F CASE-2

022897 LM02/0530
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EXAMINER	
TRAN, P	
ART UNIT	**PAPER NUMBER**
2749	8

DATE MAILED: 05/30/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No. 08/909,001	Applicant(s) Vermeer
	Examiner Pablo Tran	Group Art Unit 2749

☒ Responsive to communication(s) filed on *Mar 22, 2000* .

☐ This action is **FINAL.**

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire *3* month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) *1-17* is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) *1-17* is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐approved ☐disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____ .

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____ .

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Stein* (U.S. patent 5,628,055) in view of *Somei* (U.S. Patent 5,649,311) and further in view of *Kappeler et al.* (5,014,302).

As per claim 1, 6 and 11, *Stein* disclose a wireless terminal comprising:

- an antenna (fig. 1, fig. 13, fig. 10/no. 138, or fig. 11/no. 270);
- a radio (fig. 10/no. 131, fig. 13/no. 31);

Stein disclose Applicant's invention except for teaching a signal lead for carrying an RF signal from said radio to said antenna and from said antenna to said radio and for carrying a first baseband signal from said radio to said first visual indicator for activating said first visual indicator. *Somei* teach such use of a signal lead to carry high frequency signals and a baseband frequency signals (fig. 1-2, col.3/ln 54-col. 4/ln 37). In order to minimize the wiring harness to reduce signals interference, it would have obvious to one of ordinary skill in the art at the time of

Applicant's invention to provided a superimpose base band signal on a high frequency signals as taught by *Somei* in conjunction with the modular radio communications system as taught by Stein.

Stein in view of *Somei* disclose Applicant's invention except teaching a first visual indicator that indicates to a user of said wireless terminal when a radio is transmitting/receiving. *Kappeler et al.* disclose indicator that indicates to a user of said terminal when a radio is transmitting/receiving (col. 4/ln 4-13). In order for the user to easily determine the status of the call at any given time, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provide a telephone apparatus as taught by *Kappeler et al.* in conjunction with a modular radio communication device as taught by *Stein* in view of *Somei.*

As per claim 2 and 7 , *Stein* further disclose the wireless terminal comprising said radio (fig. 10/no. 131);

As per claim 3 and 8, *Stein* further disclose wherein said radio is integral to a PC radio card (fig. 10/no. 131);

As per claim 4 and 9, *Stein* further disclose wherein said signal lead is connected to said radio by a detachable connector (fig. 10/ no. 204, 133, fig. 13/no. 33).

As per claim 5, 10, 12, 14-15, and 16-17, *Somei* further disclose wherein said signal lead also carries a second baseband signal from said radio (fig. 1-2, col.3/ln 54-col. 4/ln 37). *Stein* and *Somei* and in view *Kappeler et al.* disclose Applicant's invention except teaching a second visual indicator that indicates when said radio is transmitting. In order for the user to easily determine the status of the call at any given time, it would have obvious to one of ordinary skill in the art at

the time of Applicant's invention to add a second indicator to indicate when said radio is transmitting in conjunction with a modular radio communication device as taught by *Stein and Somei* in view of *Kappeler et al.*.

As per claim 13 , *Stein* further disclose 13. A radio card comprising:

- a radio (fig. 10/no. 131, fig. 13/no. 31);
- a detachable connector (fig. 10/ no. 204, 133, fig. 13/no. 33); and

Stein disclose Applicant's invention except for teaching a signal lead for carrying an RF signal from said radio to said antenna and from said antenna to said radio and for carrying a first baseband signal from said radio to said first visual indicator for activating said first visual indicator. *Somei* teach such use of a signal lead to carry high frequency signals and a baseband frequency signals (fig. 1-2, col.3/ln 54-col. 4/ln 37). In order to minimize the wiring harness to reduce signals interference, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provided a superimpose base band signal on a high frequency signals as taught by *Somei* in conjunction with the modular radio communications system as taught by Stein.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kinney et al. (5,708,833), *West et al.* (5,590,346), *Kovanen et al.* (5,448,765), *Robert Bosch* Gmbh (EPO 0369 110 A2) disclose method and apparatus for wireless communications system utilizing radio/mem card.

Huttunen et al. (5,903,850) disclose interface configuration in a mobile phone.

Uchino et al. (5,917,453) and *Wood* (2,473,981) disclose iluminant mounted antenna.

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Pablo Tran whose telephone number is (703)308-7941. The fax number for this Group is (703)305-9508.

Any inquiry of a general nature to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)305-3900.

May 5, 2000

Pablo Tran

Examiner, Art Unit 2749

DANIEL S. HUNTER
SUPERVISORY PATENT EXAMINER
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